

COPY

<110> Bandman, Olga
 Goli, Surya K.
 Lal, Preeti G.
 Corley, Neil C.
 Zhang, Hong

<120> NEW PROTEIN PHOSPHATASE

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<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

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 Ile Pro His Gly Leu Glu Asp Trp Ser Phe Phe Ala Val Tyr Asp
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 Leu Glu His Ile Thr Thr Asn Glu Asp Phe Arg Ala Ala Gly Lys
 80 85 90
 Ser Gly Ser Ala Leu Glu Leu Ser Val Glu Asn Val Lys Asn Gly
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 Ile Arg Thr Gly Phe Leu Lys Ile Asp Glu Tyr Met Arg Asn Phe
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 Ser Asp Leu Arg Asn Gly Met Asp Arg Ser Gly Ser Thr Ala Val
 125 130 135
 Gly Val Met Ile Ser Pro Lys His Ile Tyr Phe Ile Asn Cys Gly
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 Asp Ser Arg Ala Val Leu Tyr Arg Asn Gly Gln Val Cys Phe Ser
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 Thr Gln Asp His Lys Pro Cys Asn Pro Arg Glu Lys Glu Arg Ile
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 Asp Gly Lys Gly Pro Thr Glu Gln Leu Val Ser Pro Glu Pro Glu
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 Val Tyr Glu Ile Leu Arg Ala Glu Glu Asp Glu Phe Ile Ile Leu
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 Ala Cys Asp Gly Ile Trp Asp Val Met Ser Asn Glu Glu Leu Cys
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 Glu Tyr Val Lys Ser Arg Leu Glu Val Ser Asp Asp Leu Glu Asn
 260 265 270
 Val Cys Asn Trp Val Val Asp Thr Cys Leu His Lys Gly Ser Arg
 275 280 285
 Asp Asn Met Ser Ile Val Leu Val Cys Phe Ser Asn Ala Pro Lys

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Ser Asp Gly Ala	440	Ser Asp Glu Ala Glu	445	Glu Ser Gly Ser Gln	450
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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 013177CB1

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Ile	Pro	His	Gly	Leu	Glu	Asp	Trp	Ser	Phe	Phe	Ala	Val	Tyr	Asp	
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Gly	His	Ala	Gly	Ser	Arg	Val	Ala	Asn	Tyr	Cys	Ser	Thr	His	Leu	
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Leu	Glu	His	Ile	Thr	Thr	Asn	Glu	Asp	Phe	Arg	Ala	Ala	Asp	Lys	
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Ser	Gly	Phe	Ala	Leu	Glu	Pro	Ser	Val	Glu	Asn	Val	Lys	Thr	Gly	
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Ile	Arg	Thr	Gly	Phe	Leu	Lys	Ile	Asp	Glu	Tyr	Met	Arg	Asn	Phe	
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Ser	Asp	Leu	Arg	Asn	Gly	Met	Asp	Arg	Ser	Gly	Ser	Thr	Ala	Val	
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Gly	Val	Met	Ile	Ser	Pro	Thr	His	Ile	Tyr	Phe	Ile	Asn	Cys	Gly	
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Asp	Ser	Arg	Ala	Val	Leu	Cys	Arg	Asn	Gly	Gln	Val	Cys	Phe	Ser	
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Thr	Gln	Asp	His	Lys	Pro	Cys	Asn	Pro	Met	Glu	Lys	Glu	Arg	Ile	
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Gln	Asn	Ala	Gly	Gly	Ser	Val	Met	Ile	Gln	Arg	Val	Asn	Gly	Ser	
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Leu	Ala	Val	Ser	Arg	Ala	Leu	Gly	Asp	Tyr	Asp	Tyr	Lys	Cys	Val	
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Asp	Gly	Lys	Gly	Pro	Thr	Glu	Gln	Leu	Val	Ser	Pro	Glu	Pro	Glu	
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Val	Tyr	Glu	Ile	Leu	Arg	Ala	Glu	Glu	Asp	Glu	Phe	Val	Val	Leu	
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Ala	Cys	Asp	Gly	Ile	Trp	Asp	Val	Met	Ser	Asn	Glu	Glu	Leu	Cys	
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Glu	Phe	Val	Asn	Ser	Arg	Leu	Glu	Val	Ser	Asp	Asp	Leu	Glu	Asn	
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Val	Cys	Asn	Trp	Val	Val	Asp	Thr	Cys	Leu	His	Lys	Gly	Ser	Arg	
				275					280					285	
Asp	Asn	Met	Ser	Ile	Val	Leu	Val	Cys	Phe	Ala	Asn	Ala	Pro	Lys	
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Val	Ser	Asp	Glu	Ala	Val	Lys	Arg	Asp	Leu	Glu	Leu	Asp	Lys	His	
				305					310					315	
Leu	Glu	Ser	Arg	Val	Glu	Glu	Ile	Met	Gln	Lys	Ser	Gly	Glu	Glu	
				320					325					330	
Gly	Met	Pro	Asp	Leu	Ala	His	Val	Met	Arg	Ile	Leu	Ser	Ala	Glu	

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Asn Ile Pro Asn	Leu Pro Pro Gly Gly	Gly Leu Ala Gly Lys	Arg		
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Asn Val Ile Glu	Ala Val Tyr Ser Arg	Leu Asn Pro Asn Lys	Asp		
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	35	40
Ile Pro His Gly Leu Asp Asn Trp Ser Phe Phe Ala Val Tyr Asp		45
	50	55
Gly His Ala Gly Ser Arg Val Ala Asn Tyr Cys Ser Thr His Leu		60
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	80	85
Ser Gly Ser Ala Leu Glu Pro Ser Val Glu Ser Val Lys Thr Gly		90
	95	100
Ile Arg Thr Gly Phe Leu Lys Ile Asp Glu Tyr Met Arg Asn Phe		105
	110	115
Ser Asp Leu Arg Asn Gly Met Asp Arg Ser Gly Ser Thr Ala Val		120
	125	130
Gly Val Met Val Ser Pro Thr His Met Tyr Phe Ile Asn Cys Gly		135
	140	145
Asp Ser Arg Ala Val Leu Cys Arg Asn Gly Gln Val Cys Phe Ser		150
	155	160
Thr Gln Asp His Lys Pro Cys Asn Pro Val Glu Lys Glu Arg Ile		165
	170	175
Gln Asn Ala Gly Gly Ser Val Met Ile Gln Arg Val Asn Gly Ser		180
	185	190
Leu Ala Val Ser Arg Ala Leu Gly Asp Tyr Asp Tyr Lys Cys Val		195
	200	205
Asp Gly Lys Gly Pro Thr Glu Gln Leu Val Ser Pro Glu Pro Glu		210
	215	220
Val Tyr Glu Ile Val Arg Ala Glu Glu Asp Glu Phe Val Val Leu		225
	230	235
Ala Cys Asp Gly Ile Trp Asp Val Met Ser Asn Glu Glu Leu Cys		240
	245	250
Glu Phe Val Lys Ser Arg Leu Glu Val Ser Asp Asp Leu Glu Asn		255
	260	265
Val Cys Asn Trp Val Val Asp Thr Cys Leu His Lys Gly Ser Arg		270
	275	280
Asp Asn Met Ser Val Val Leu Val Cys Phe Ser Asn Ala Pro Lys		285
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Val Ser Glu Glu Ala Val Lys Arg Asp Ser Glu Leu Asp Lys His		300
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Leu Glu Ser Arg Val Glu Glu Ile Met Gln Lys Ser Gly Glu Glu		315
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Gly Met Pro Asp Leu Ala His Val Met Arg Ile Leu Ser Ala Glu		330
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		345

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His	Val	Ile	Glu	Ala	Val	Tyr	Ser	Arg	Leu	Asn	Pro	His	Lys	Asp
				365					370					375
Asn	Asp	Gly	Gly	Ala	Gly	Asp	Leu	Glu	Asp	Ser	Leu	Val	Ala	Leu
				380					385					390

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